USB GPS Receiver | UPC Code: 795945022506

ND-100S

GPS Receiver

- SiRF Star III Chipset
- 20-Channel All-In-View Tracking
- NMEA 0183
- WAAS / EGNOS Support
- 2.6" x 0.9" x 0.4"
- Compact Portable Size
- Built-In GPS Patch Antenna
- Compatible With: WIN/MAC/LINUX
- USB 2.0

The ND-100S USB GPS dongle is a highly sensitive GPS receiver that is ideally suited for use with laptops, notebooks, tablets and UMPC devices. Low power consumption and a highly sensitive built-in GPS antenna makes acquiring even the weakest of satellite signals not a problem for the ND-100S. Satellite-based augmentation systems, such as WAAS and EGNOS are also supported for even greater accuracy. Drivers for Windows, Mac and Linux are included to convert the USB port into a virtual COM port making the GPS NMEA data fully compatible with applications such as street navigation, or data collection.

USB GPS Receiver

General Specifications

GPS Chipset.....SiRF Star III GPS Chipset
Frequency.....L1, 1575.42 MHZ
C/A Code.....1.023 MHz chip rate
Channels.....20 all-in-view tracking
Sensitivity.....-161 dBm

Accuracy

Position Horizontal.....< 5 2D RMS WAAS/ EGNOS / MSAS enabled (CEP with DGPS)
> 5m ~ 10m 2D RMS WAAS disabled (CEP without DGPS)
Velocity.....0.1m/s
Time.....1ms RMS
WASS/EGNOS/MSAS.....Enabled

Aquisition Rate

Hot start.....1.5 sec., average
Warm start.....32 sec., average
Cold start.....34 sec., average
Reacquisition.....<1 sec. average

Protocol

GPS Protocol.....NMEA 0183 v3
GPS Output Data.....GGA(1sec), GSA(1sec), GSV(5sec), RMC(1sec), GLL,VTG is optional
GPS transfer rate.....4800 (Bits per second: 4800, Data bits: 8, parity: None, Stops bits: 1)

Operating System

Compatible operating systems.....Windows: 98/2000/XP/Vista
Mac: OSX 8/9/10.X
Linus: Redhat 7.3/8.0/9.0

Dynamic Condition

Acceleration Limit.....Less than 4g
Altitude Limit.....Max 60,000 Feet (18,000 meters)
Velocity Limit.....Max 515 Meters / sec (1000 Knots / 151 MPH)

Environmental Specifications

Operating.....-4°~ 140°F (-20°~ 60°C)
Storage.....-22°~ 158°F (-30°~ 70°C)
Humidity.....Up to 95% non-condensing

Electrical Characteristics

Voltage.....DC 5.0V, USB bus power
Current Draw.....< 55mA
Power Consumption.....< 275 mW

Physical Charateristics

Dimension.....2.6" x 0.9" x 0.4" (65.5mm x 23mm x 11mm)
Weight.....0.64 Ounces (18.14g)

PACKAGE CONTENTS:

LINUX
20 CHANNEL
WIN
USB
SiRF III
MAC

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